



Attorney Docket No.: 016976-000810US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

CHANG et al.

Application No.: 10/766,993

Filed: January 28, 2004

For: SURFACE EXPRESSION OF BIOLOGICALLY ACTIVE PROTEINS

IN BACTERIA

Examiner: Joseph Woitach

Art Unit: 1632

INFORMATION DISCLOSURE

STATEMENT UNDER 37 CFR §1.97 and

§1.98

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A are being called to the attention of the Examiner. Copies of the references [in compliance with the requirements of 37 CFR §1.98(a)(2)] are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR §1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that <u>no fee is required</u> for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the

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undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

Matthew E. Hinsch Reg. No. 47,651

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Substitute for 1449A Complete if Known Application Number 10/766,993 **INFORMATION DISCLOSURE** Filing Date January 28, 2004 STATEMENT BY APPLICANT First Named Inventor Chang, Chia-Hwa Art Unit 1632 (Use as many sheets as necessary) Examiner Name Not yet assigned 2 Attorney Docket Number 016976-000810US Sheet

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	AA	US-5,821,088	10-13-1998	Darzins et al.		

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	No.1	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if)		cument Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁴
	AB	wo	04/007695	A2	01-22-2004			

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
	AC	Avall-Jaaskelainen, Silja et al.; "Surface Display of the Receptor-Binding Region of the Lactobacillus brevis S-Layer Protein in Lactococcus lactis Provides Nonadhesive Lactococci with the Ability to Adhere to Intestinal Epithelial Cells"; 2003, Applied and Environmental Microbiology, Vol. 69, No. 4, pp. 2230-2236.				
	. AD	GIOMARELLI, Barbara et al.; "The microbicide cyanovirin-N expressed on the surface of commensal bacterium <i>Streptococcus gordonii</i> captures HIV-1"; 2002, <u>AIDS Concise</u> <u>Communication</u> , Vol. 16, No. 10, pp. 1351-1356.				
	ΑE	LIU, Janice J. et al.; "Activity of HIV entry and fusion inhibitors expressed by the human vaginal colonizing probiotic <i>Lactobacillus reuteri</i> RC-14"; 2006, <u>Cellular Microbiology</u> , pp. 1-11.				
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	AI	SAMUELSON, Patrik et al.; "Display of proteins on bacteria"; 2002, <u>Journal of Biotechnology,</u> Vol. 96, pp. 129-154.				

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Substitu	te for form 1449A&B/PTO			Complete if Known		
				Application Number	10/766,993	
INF	DRMATION DIS	CLOS	SURE	Filing Date	January 28, 2004	
STA	TEMENT BY A	PPLIC	CANT	First Named Inventor	Chang, Chia-Hwa	
				Art Unit	1632	
	(Use as many sheets as i	necessary)		Examiner Name	Not yet assigned	
Sheet	2	of	2	Attorney Docket Number	016976-000810US	

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Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²		
	AJ	SCHNEEWIND, Olaf et al.; "Sorting of Protein A to the Staphlococcal Cell Wall"; 1992, Cell, Vol. 70, pp. 267-281.			
	AK	STRAUSS, Andreas et al.; "In vivo immobilization of enzymatically active polypeptides on the cell surface of Staphylococcus carnosus"; 1996, Molecular Microbiology, Vol. 21, No. 3, pp. 491-5000.			
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